



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. UPN-4290/Q3164	Application No. 10/777,552
	Applicant Daniel A. Hammer, et al.	
	Filing Date March 15, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1	Achilefu, S., et al., "Novel receptor-targeted fluorescent contrast agents for in vivo tumor imaging," <i>Investigative Radiology</i> , 2000, 35(8), 479-485
2	Ahmed, F., et al., "Block copolymer assemblies with cross-link stabilization: from single-component monolayers to bilayer blends with PEO-PLA," <i>Langmuir</i> , 2003, 19, 6505-6511
3	Becker, A., et al., "Receptor-targeted optical imaging of tumors with near-infrared fluorescent ligands," <i>Nature Biotechnol.</i> , 2001, 19, 327-331
4	Berk, D., et al., "Detachment of agglutinin-bonded red blood cells; III. Mechanical analysis for large contact areas," <i>Biophys. J.</i> , 1991, 861-872
5	Bermudez, H., et al., "Molecular weight dependence of polymersome membrane structure, elasticity, and stability," <i>Macromolecules</i> , 2002, 35, 8203-8208
6	Birge, R.R., et al., Kodak Optical Products, Kodak Publication JJ-169B, <i>Kodak Laboratory Chem. Rochester, NY</i> , 1990
7	Bo, L., et al., "Determination of bilayer membrane bending stiffness by tether formation from giant, thin-walled vesicles," <i>Biophys. J.</i> , 1989, 55, 509-517
8	Božič, B., et al., "Role of lamellar membrane structure in tether formation from bilayer vesicles," <i>Biophys. J.</i> , 1992, 61, 963-973
9	Bremer, C., et al., "In vivo molecular target assessment of matrix metalloproteinase inhibition," <i>Nature Medicine</i> , 2001, 7(6), 743-748
10	Cadot, P., et al., "Couplings of acetylenes," <i>Chemistry of Acetylenes</i> , 1969, Viehe, H.G. (Ed), 597-647

EXAMINER

DATE CONSIDERED

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	<b>11</b>	Chance, B., et al., "Highly sensitive object location in tissue models with linear in-phase and anti-phase multi-element optical arrays in one or two dimensions," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 3423-3427	
	<b>12</b>	Chance, B., "Near-infrared images using continuous, phase-modulated, and pulsed light with quantitation of blood and blood oxygenation," in <i>Advances in Optical Biopsy and Optical Mammography</i> , 1998, 838, 29-45	
	<b>13</b>	Delgado, C., et al., "Coupling of poly(ethylene glycol) to albumin under very mild conditions by activation with tresyl chloride: characterization of the conjugate by partitioning in aqueous two-phase systems," <i>Biotechnology &amp; Applied Biochemistry</i> , 1990, 12, 119-128	
	<b>14</b>	Delgado, C., et al., "The uses and properties of PEG-linked proteins," <i>Critical Reviews in Therapeutic Drug Carrier System</i> , 1992, 9(3,4), 249-304	
	<b>15</b>	DiMagno, S.G., et al., "Catalytic conversion of simple haloporphyrins into alkyl-aryl-, pyridyl-, and vinyl-substituted porphyrins," <i>J. Am. Chem. Soc.</i> , 1993, 115, 2513-2515	
	<b>16</b>	DiMagno, S.G., et al., "Facile synthesis of meso-tetrakis(perfluoroalkyl)porphyrins: spectroscopic properties and x-ray crystal structure of highly electron-deficient 5,10,15,20-tetrakis(heptafluoropropyl)porphyrin," <i>J. Org. Chem.</i> , 1994, 59, 6943-6948	
	<b>17</b>	Discher, B.M., et al., "Cross-linked polymersome membranes: vesicles with broadly adjustable properties," <i>J. of Phys. Chem. B</i> , 2002, 106, 2848-2854	
	<b>18</b>	Discher, B.M., et al., "Polymersomes: tough vesicles made from diblock copolymers," <i>Science</i> , 1999, 284, 1143-1146	
	<b>19</b>	Eglinton, G., et al., "The coupling of acetylenic compounds," <i>Adv. Org. Chem.</i> , 1963, 4, 225-276	
	<b>20</b>	Evans, E., et al., "Detachment of agglutinin-bonded red blood cells; I. Forces to rupture molecular-point attachments," <i>Biophys. J.</i> , 1991, 59, 838-848	
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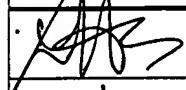
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

✓	21	Evans, E., et al., "Detachment of agglutinin-bonded red blood cells; II. Mechanical energies to separate large contact areas," <i>Biophys. J.</i> , 1991, 59, 849-860
✓	22	Evans, E., et al., "Adhesivity and rigidity of erythrocyte membrane in relation to wheat germ agglutinin binding," <i>J. of Cell Biology</i> , 1984, 98, 1201-1208
✓	23	Evans, E., et al., "Physical properties of surfactant bilayer membranes: thermal transitions, elasticity, rigidity, cohesion, and colloidal interactions," <i>J. Phys. Chem.</i> , 1987, 91, 4219-4228
✓	24	Evans, E., et al., "Interactions between polymer-grafted membranes in concentrated solutions of free polymer," <i>Langmuir</i> , 1996, 12, 3031-3037
✓	25	Evans, E.A., "Detailed mechanics of membrane-membrane adhesion and separation," <i>Biophys. J.</i> , 1985, 48, 175-183
✓	26	Evans, E.A., "Detailed mechanics of membrane-membrane adhesion and separation," <i>Biophys. J.</i> , 1985, 48, 185-192
*	27	Gordon, et al., <i>The Chemist's Companion</i> , New York, <i>John Wiley &amp; Sons</i> , 1972
✓	28	Hajduk, D.A., et al., "Complex phase behavior in aqueous solutions of poly(ethylene oxide)-poly(ethylene block copolymers," <i>J. Phys. Chem. B</i> , 1998, 102, 4269-4276
✓	29	Heinrich, V., et al., "A piconewton force transducer and its application to measurement of the bending stiffness of phospholipids membranes," <i>Annals of Biomed. Eng.</i> , 1996, 24, 595-605
*	30	Hermannson, et al., <i>Immobilized Affinity Ligand Techniques</i> , New York, <i>Academic Press, Inc.</i> , 1992

EXAMINER

DATE CONSIDERED 2-6-07

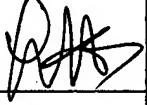
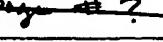
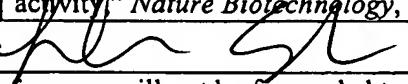
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>31</b>	Hillmeyer, M.A., et al., "Synthesis and characterization of model polyalkane-poly(ethylene oxide) block copolymers," <i>Macromolecules</i> , 1996, 29, 6994-7002	
	<b>32</b>	Hillmyer, M.A., et al., "Complex phase behavior in solvent-free nonionic surfactants," <i>Science</i> , 1996, 271, 976-978	
	<b>33</b>	Hyslop, A.G., et al., "Suzuki porphyrins: new synthons for the fabrication of porphyrin-containing supramolecular assemblies," <i>J. Am. Chem. Soc.</i> , 1998, 120, 12676-12677	
	<b>34</b>	Jain, R.J., et al., "Dissecting tumour pathophysiology using intravital microscopy," <i>Nature, Reviews</i> , 2002, 2, 266-276	
	<b>35</b>	Kim, D.H., et al., "The influence of tiered layers of surface-grafted poly(ethylene glycol) on receptor - ligand-mediated adhesion between phospholipids monolayer-stabilized microbubbles and coated glass beads," <i>Langmuir</i> , 2000, 16, 2808-2817	
	<b>36</b>	Lee, et al., "Preparation, stability, and in vitro performance of vesicles made with diblock copolymers," <i>Biotechnology and Bioengineering</i> , 2001, 73(2), 135-145	
	<b>37</b>	Lee, J.C.-M., et al., "From membranes to melts, rouse to reptation: diffusion in polymersome versus lipid bilayers," <i>Macromolecules</i> , 2002, 35, 323-326	
	<b>38</b>	Lin, V. S.-Y., et al., "The role of porphyrin-to-porphyrin linkage topology in the extensive modulation of the absorptive and emissive properties of a series of ethynyl- and butadiynyl-bridged bis- and tris(porphinato)zinc chromophores," <i>Chem. Eur. J.</i> , 1995, 1(9), 645-651	
	<b>39</b>	Lin, V.S.-Y., et al., "Highly conjugated, acetylenyl bridged porphyrins: new models for light-harvesting antenna systems," <i>Science</i> , 1994, 264, 1105-1111	
	<b>40</b>	Meng, F., et al., "Biodegradable polymersomes," <i>Macromolecules</i> , 2003, 36, 3004-3006	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b> 2-6-07	

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
                                      	41	Najafi, F., et al., "Biodegradable micelles/polymersomes from fumaric/sebacic acids and poly(ethylene glycol)," <i>Biomaterials</i> , 2003, 24, 1175-1182	
	42	New, R.R.C., <i>Liposomes: A Practical Approach</i> , Rickwood, D., et al. (Eds.), The Practical Approach Series; Oxford University Press, Oxford, UK, 1997	
	43	Nilsson, K., et al., Tresyl chloride-activated supports for enzyme immobilization," <i>Methods in Enzymology</i> , 1984, 135, 65-79	
	44	Noppl-Simson, D.A., et al., "Avidin-biotin interactions at vesicle surfaces: adsorption and binding, cross-bridge formation, and lateral interactions," <i>Biophys. J.</i> , 1996, 70, 1391-1401	
	45	Ntziachristos, V., et al., "Concurrent MRI and diffuse optical tomography of breast after indocyanine green enhancement," <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97(6), 2767-2772	
	46	Patai, S., et al., The Chemistry of Functional Groups, Wiley, 1983, <i>Supple. C, Part 1</i> , 529-534	
	47	Photos, P.J., et al., "Polymer vesicles in vivo: correlations with PEG molecular weight," <i>J. of Controlled Release</i> , 2003, 90, 323-334	
	48	Radzicka, A., et al., "Comparing the polarities of the amino acids: side-chain distribution coefficients between the vapor phase, cyclohexane, 1-octanol, and neutral aqueous solution," <i>Biochemistry</i> , 1988, 27, 1664-1670	
	49	Rosedale, J.H., et al., "Heterogeneous catalytic hydrogenation of poly(vinylethylene)," <i>J. Am. Chem. Soc.</i> , 1988, 110, 3542-3545	
	50	Rosedale, J.H., et al., "Rheology of ordered and disordered symmetric poly(ethylenepropylene)-poly(ethylethylene) diblock copolymers," <i>Macromolecules</i> , 1990, 23, 2329-2338	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b> <i>2-6-07</i>	

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
 * 	51	Rubtsov, I.V., et al., "Ultrafast singlet excited-state polarization in electronically asymmetric ethyne-bridged Bis[(porphinato)zinc(II)] complexes," <i>J. of the Am. Chem. Soc.</i> , 2003, 125, 2687-2696	
	52	Streitweiser, A., et al., <i>Introduction to Organic Chemistry</i> , New York, <i>Macmillan Publishing Co.</i> , 1992	
	53	Susumu, K., et al., "Decoupling optical and potentiometric band gaps in $\pi$ -conjugated materials," <i>J. of the Am. Chem. Soc.</i> , 2002, 124, 8550-8552	
	54	Warriner, H.E., et al., "Lamellar biogels: fluid-membrane-based hydrogels containing polymer lipids," <i>Science</i> , 1996, 271, 969-973	
	55	Waugh, R., et al., "Local and nonlocal curvature elasticity in bilayer membranes by tether formation from lecithin vesicles," <i>Biophys. J.</i> , 1992, 61, 974-982	
	56	Weissleder, R., et al., "In vivo imaging of tumors with protease-activated near-infrared fluorescent probes," <i>Nature Biotechnology</i> , 1999, 17, 375-378	
	57	Weissleder, R., "A clearer vision for <i>in vivo</i> imaging," <i>Nature Biotechnology</i> , 2001, 19, 316-317	
	58	Weissleder, R., et al., "Shedding light onto live molecular targets," <i>Nature Medicine</i> , 2003, 9(1), 123-128	
*	59	Yodh, A., et al., <i>Physics Today</i> , 1995, <i>page</i>  ?	
	60	Zaheer, A., et al., "In vivo near-infrared fluorescence imaging of osteoblastic activity," <i>Nature Biotechnology</i> , 2001, 19, 1148-1154	
<b>EXAMINER</b> 		<b>DATE CONSIDERED</b> 2-6-07	

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<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>JKS</i>	61	3,975,512	08/17/76	Long	424	5
	62	4,972,331	11/20/90	Chance	364	550
	63	4,987,154	01/22/91	Long, Jr.	514	772
	64	5,187,672	02/16/93	Chance, et al.	364	550
	65	5,371,199	12/06/94	Therien, et al.	534	11
	66	5,493,018	02/20/96	Liu, et al.	540	302
	67	5,599,924	02/04/97	Therien, et al.	540	145
	68	5,756,723	05/26/98	Therien, et al.	540	145
	69	5,783,306	07/21/98	Therien, et al.	428	411.1
	70	5,817,830	10/06/98	Therien, et al.	548	400
	71	5,856,515	01/05/99	Therien, et al.	548	400
	72	5,955,546	09/21/99	Bates, et al.	525	240
	73	5,955,603	09/21/99	Therien, et al.	540	145
	74	5,986,090	11/16/99	Therien, et al.	540	145
	75	6,060,518	05/09/00	Kabanov, et al.	514	781
	76	6,100,392	08/08/00	Therien, et al.	540	145
	77	6,569,528 B2	05/27/03	Nam, et al.	428	402
EXAMINER <i>JKS</i>	DATE CONSIDERED <i>2-6-07</i>					

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		Confirmation No. 6019	

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>WJS</i>	78	5,707,608	01/13/98	Liu	424	9.61
<i>J</i>	79	6,159,445	12/12/00	Klaveness, et al.	424	9.6
<i>J</i>	80	2002/0044959 A1	04/18/02	Goetz, et al.	424	450

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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